

EXECUTIVE SUMMARY

TITLE OF PROJECT

Anadromous Fish Passage at Clough Dam on Mill Creek.

APPLICANT NAME

California Department of Water Resources
William D. Mendenhall, Senior Engineer

PROJECT DESCRIPTION AND OBJECTIVE

This project is for final design and construction of fish passage facilities at or near to Clough Dam on Mill Creek near Los Molinos. The California Department of Water Resources (DWR) proposes to improve upstream fish passage for adult salmon and steelhead, and provide fish screening facilities for downstream juvenile passage. DWR will work cooperatively with California Department of Fish and Game (DFG), United States Fish and Wildlife Service (FWS), local property owners, diversion owners, and diverters, to provide designs for a new off-stream fish screen and water diversion inverted siphon which when completed will provide reliable fish passage with minimal operation and maintenance.

The objective of this proposal is to provide final designs, including plans and specifications, contract construction, award bid, oversee construction, and pay out to contractor. The goal of the project is to complete the screen in 1998-99 winter months and the siphon by winter 1999-00.

APPROACH/TASKS/SCHEDULE

Working directly with DFG and the stakeholders, DWR will develop final designs for the fish screen, inverted siphon, and dam and ladder removal. Plans and specifications for the siphon and dam removal will be prepared for the bidding process. DWR will bid out the construction, award the bid, oversee construction, and pay contractor(s) for the siphon and dam removal. DWR will assist DFG in the construction of the screen facility. DFG has already secured \$30,000 from Cal-Fed funding sources for the hardware for the new screen. DFG will be requesting an additional \$50,000 for concrete screen structure construction.

DWR will prepare and obtain permits, with DFG's assistance, necessary to do all phases of the siphon and dam removal work, including CEQA and NEPA. DFG will be responsible for permits and environmental compliance for the screen construction. Collection of field data will be completed by 10/1/98. The design for screen will be

completed by 11/1/98. DFG and DWR will construct screen during the 1998-99 winter months. DWR will complete plans and specifications for the siphon by March 1999, and construct the siphon and remove the dam during late summer-fall 1999. This schedule assumes that funding is made available in a timely manner, by October 1998, the permits can be obtained by bidding time and that the weather does not cause delays.

JUSTIFICATION

Enhancing passage for adult and juvenile salmonids on Mill Creek improves the success of both upstream and downstream migration. This will benefit two of the priority species, spring-run Chinook salmon and Steelhead.

BUDGET/THIRD PARTY IMPACTS

The budget cost for this proposal is \$ 1,280,000. No negative third party impacts are foreseen from the scope of this proposal. It will be implemented with the cooperation of both the north side diverters, Los Molinos Mutual Water Company (LMMWC), and the south diverters, Clough diversion, and the collaboration of the other resource agencies.

APPLICANT QUALIFICATIONS

The Northern District of DWR has a long history of providing engineering support to fishery restoration programs. DWR staff has extensive experience in performing the tasks outlined in this proposal, as well as, a history of cooperation with the other resource agencies. The project manager for this project is Mr. William Mendenhall. He has over 20 years of experience with fishery restoration planning and design. Additionally, DWR has in house, the equipment, technology, and resources to support this proposal.

MONITORING AND DATA EVALUATION

After completion of this project DFG will be responsible for monitoring the performance of the project components. DFG will assume the responsibility of operating and maintaining the fish screen. The LMMWC will assume the responsibility of operating and maintaining the siphon system.

LOCAL SUPPORT/COORDINATION

The list of collaborators and supporters of this proposal include DFG, FWS, landowners, diverters, and LMMWC. Initial meetings with various groups involved and funding supporters have brought favorable comments.